



# DR4302

## DUAL 4/20 mA OUTPUT ISOLATED TRANSMITTER (SPLITTER)

### FEATURES

- Provides Two Individual Galvanic Isolated DC Outputs Proportional to DC Input
- Plug-in Screw Terminal Blocks
- DIN Rail Mount - Case Only 0.5" Wide
- Steel Mounting Clip
- 5 Year Warranty
- UL/cUL Recognized

### DESCRIPTION

The DR4302 provides two individually isolated DC outputs, proportional to a DC input, with 4 way isolation between input, power, and outputs. The unit is useful in eliminating ground loops and measuring signals with large common mode voltages. All of the DR Series of products provide transient protection to help eliminate damage from lightning and

from other transients coupled onto the power and signal leads by system wiring.

#### TYPICAL APPLICATIONS

Provides isolation between field instrumentation and control room. Use for reducing noise created by ground loops. Also use for signal conversion (voltage to current) and

increasing drive capacity.

#### MOUNTING

All DR Series products are designed to mount on a 35 mm DIN rail. The products feature a steel mounting clip, with a compression spring, for secure mounting.

### SPECIFICATIONS

#### INPUT RANGE

Voltage  
1/5 V, 0/10 V

Current  
0/1 mA, 0/20 mA,  
4/20 mA, 10/50 mA

#### INPUT IMPEDANCE

Voltage  
=> 170 kilohms

Current

Current Input	Input Shunt Value
0/1 mA	1000 OHM
0/20 mA	100 OHM
4/20 mA	124 OHM
10/50 mA	20 OHM

#### OUTPUT

Current  
4/20 mA

Compliance > 12 V Per Output  
at 24 V Power

#### BANDWIDTH

-3db at 3 Hz

#### OUTPUT RIPPLE

(peak to peak)  
<0.1% of span

#### ACCURACY

±0.1% of span

#### LINEARITY

±0.05% of span

#### COMMON MODE REJECTION

100 dB, DC to 60 Hz

#### OPERATING TEMPERATURE

14°F to 158°F  
-10°C to 70°C

#### TEMPERATURE STABILITY

±(0.01% of span)/°C max

#### ISOLATION,

>500 megohms  
1000 V Peak

#### POWER

24 VDC (Limits 21 to 28 VDC)  
60 mA max  
12 VDC (Limits 10 to 15 VDC)  
120 mA max

**ORDERING INFORMATION**

**INPUT - Standard Ranges**

**Select Input**

**Current - DC**

- 01 0/1 mA
- 02 4/20 mA
- 03 0/20 mA
- 04 10/50 mA

**Voltage - DC**

- 13 1/5 V
- 15 0/10 V

**POWER**

- 12 VDC
- 24 VDC

**ACCESSORIES**

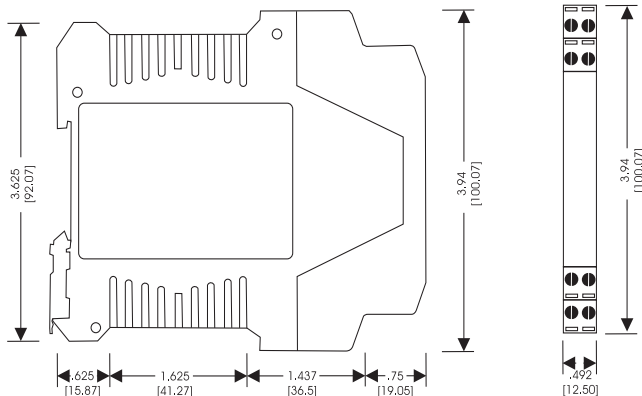
**DR4302**

DR1 DIN-Rail, 35 mm Symmetrical, 39 inches (1meter) Qty \_\_\_\_

MM9046 24VDC Regulated Power Supply Qty \_\_\_\_

**DIMENSIONS**

Inches [mm]



**CONNECTIONS**

- TERM 1 INPUT +
- TERM 2 INPUT -
- TERM 3 OUTPUT 1 +
- TERM 4 OUTPUT 1 -
- TERM 5 OUTPUT 2 +
- TERM 6 OUTPUT 2 -
- TERM 7 24 VDC +
- TERM 8 24 VDC -



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